

To: Brown, Anthony R (RM)[anthony.brown@bp.com]
Cc: Eidelberg, Joseph[Eidelberg.Joseph@epa.gov]; Freitas, Richard[Freitas.Richard@epa.gov]; Lombardi, Lynda[Lynda.Lombardi@amecfw.com]; Lombardi, Marc (marc.lombardi@amecfw.com)[marc.lombardi@amecfw.com]; Greg Reller[gr@burlesonconsulting.com]; Cory Koger[Cory.S.Koger@usace.army.mil]; Beth Kelly[bk@burlesonconsulting.com]
From: Deschambault, Lynda
Sent: Fri 8/4/2017 11:43:24 PM
Subject: Leviathan PE results for stormwater analyses
[PES Scoring Report Leviathan Mine GW PE Sample SRS3036 B.pdf](#)
[PES Scoring Report Leviathan Mine GW PE Sample SRS3037 B.pdf](#)
[PES Scoring Report Sample SRS2997 B.pdf](#)
[PES Scoring Report Sample SRS2998 B.pdf](#)
[PES Scoring Report Sample SRS2999 B.pdf](#)
[PES Scoring Report Sample SRS3000 B.pdf](#)
[PES Scoring Report Sample SRS3001 B.pdf](#)

Dear Mr. Brown,

EPA has provided ARC with the Performance Evaluations Samples that were requested. I am forwarding you the results (attached) for the following:

1. 5/11/17 SRS2999B—Aqueous Total. Surface Water. All within limits
2. 5/11/17 SRS3000—Aqueous dissolved. Surface water. All within limits
3. 5/11/17 SRS3001—Cr6. Surface water within limits
4. 4/29/17 SRS2997 B---Aqueous Total. Storm water. 1 warning. 3 not evaluated. All within limits

EPA notes that Hg had some variation. However, results for Mercury in a full-volume PE sample with other metals present can vary; the ARC results were still within the 99% confidence intervals. Antimony, Cadmium and Silver were included in the ground water and surface water events. But not spiked or evaluated in the stormwater.

5. 4/29/17 SRS2998 Aqueous Dissolved. Storm water 1 warning. All within limits

EPA notes that Hg had some variation. However, results for Mercury in a full-volume PE sample with other metals present can vary; the ARC results were still within the 99% confidence intervals. 3 not evaluated Antimony, Cadmium and Silver were included in the ground water and surface water events. But not spiked or evaluated in the stormwater. No Cr6 for stormwater performed?

6. 6/8/17 SRS3036—Aqueous Dissolved. Groundwater. Hg high. All within limits

EPA notes that Hg had some variation. However, results for Mercury in a full-volume PE sample with other metals present can vary; the ARC results were still within the 99% confidence intervals. No total metals for groundwater performed?

7. 6/8/17 SRS3037 –Cr6. Groundwater pass within limits

PE samples have been provided for soil samples; and those are currently underway

In addition, EPA is currently reviewing the split samples that were taken.

Please let us know if there have been any QAPP updates, including any necessary revisions to the Data Quality Objectives and the CSM

EPA is currently reviewing the data summary report and Leviathan database; and will provide comments

If you have any questions, please feel free to contact me at (415) 947-4183 or Deschambault.lynda@epa.gov.

Best Regards,

Lynda

Lynda Deschambault

Environmental Scientist

USEPA Region 09

(415) 947-4183

Please be advised I may have limited access to email , therefore please be patient with any communication delays.